

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-27. (Cancelled)

28. (Currently Amended) A self-ligating orthodontic bracket for coupling an archwire with a tooth, comprising:

a bracket body configured to be mounted to the tooth, said bracket body comprising a non-metallic material;

a metallic insert mounted in said bracket body, said insert including an archwire slot and at least one guide; and

a metallic ligating member coupled with said insert, said ligating member movable relative to said insert between an open position in which the archwire is insertable into said archwire slot and a closed position in which the archwire is retained in said archwire slot, and said ligating member coupled with said at least one guide for movement relative to said insert.

29. (Previously Presented) The self-ligating orthodontic bracket of claim 28 wherein said non-metallic material is composed of a polymer, a filled polymer composite, or a ceramic.

30. (Previously Presented) The self-ligating orthodontic bracket of claim 28 wherein said non-metallic material is composed of sapphire, polycrystalline aluminum oxide, toughened zirconia, or yttrium-stabilized zirconia.

31. (Previously Presented) The self-ligating orthodontic bracket of claim 28 wherein said non-metallic material is composed of polycarbonate, an acrylic-based thermoplastic resin, or an acrylic thermoset resin.

32. (Previously Presented) The self-ligating orthodontic bracket of claim 28 wherein said insert includes a plurality of walls embedded in said non-metallic material of said bracket body, at least one of said walls of said insert configured to provide increased pull-out resistance of said insert from said bracket body in a direction generally perpendicular to the tooth.

33. (Previously Presented) The self-ligating orthodontic bracket of claim 28 further comprising:
a metallic engagement member capable of constraining movement of said ligating member relative to said bracket body when said ligating member is in the closed position.

34. (Cancelled)

35. (Currently Amended) The self-ligating orthodontic bracket of claim 28 wherein ~~said insert further includes at least one guide, and~~ said ligating member is slidably coupled with said at least one guide for movement relative to said insert.

36. (Currently Amended) ~~[[The]]~~ A self-ligating orthodontic bracket of claim 28 wherein for coupling an archwire with a tooth, comprising:

a bracket body configured to be mounted to the tooth, said bracket body comprising non-metallic material;

a metallic insert mounted in said bracket body, said insert including an ~~[[said]]~~ archwire slot ~~that~~ extends in a mesial/distal direction when said bracket body is mounted to the tooth~~[[,]]~~ and ~~said insert further includes~~ a pair of guides spaced apart in the mesial/distal direction~~[[,]]~~; and

a metallic ligating member coupled with said insert, said ligating member movable relative to said insert between an open position in which the archwire is insertable into said archwire slot and a closed position in which the archwire is retained in said archwire slot, and said ligating member having peripheral edges slidably coupled with said guides for movement relative to said insert.

37. (Previously Presented) The self-ligating orthodontic bracket of claim 28 further comprising:

a metallic spring arm coupled with said bracket body, said spring arm including a detent configured to engage said ligating member in at least said closed position for constraining movement of said ligating member relative to said bracket body.

38. (Currently Amended) ~~[[The]]~~ A self-ligating orthodontic bracket of claim 28 wherein for coupling an archwire with a tooth, comprising:

a bracket body configured to be mounted to the tooth, said bracket body comprising a non-metallic material;

a metallic insert mounted in said bracket body, said insert including an [[said]] archwire slot that extends in a first direction[[.]]~~and said insert includes a pair of guides spaced apart in said first direction[[.]]~~; and

a metallic ligating member coupled with said insert, said ligating member ~~[[is]]~~ movable relative to said guides between an open position in which the archwire is insertable into said archwire slot and a closed position in which the archwire is retained in said archwire slot ~~between said open and closed positions,~~ and said ligating member retained by said guides to said bracket body and guided by said guides of said insert during movement between said open and closed positions.

39. (Previously Presented) The self-ligating orthodontic bracket of claim 38 wherein said ligating member is guided during movement in a second direction different than said first direction.

40. (Previously Presented) The self-ligating orthodontic bracket of claim 38 wherein said ligating member includes a plurality of peripheral edges, each of said peripheral edges coupled with a respective one of said guides.

41. (Previously Presented) The self-ligating orthodontic bracket of claim 40 wherein said ligating member is generally planar with a leading edge portion connecting said peripheral edges, said leading edge portion of said ligating member extending between said guides over the archwire slot and abutting said bracket body when said ligating member is in said closed position.

42. (Previously Presented) The self-ligating orthodontic bracket of claim 41 wherein said archwire slot includes an opening for inserting the archwire when said ligating member is in said open position, and said leading edge portion of said ligating member abuts a portion of said bracket body proximate to said opening in the closed position.

43. (Previously Presented) The self-ligating orthodontic bracket of claim 42 wherein said leading edge portion of said ligating member contacts said bracket body when said ligating member is in said closed position.

44. (Currently Amended) ~~[[The]]~~ A self-ligating orthodontic bracket ~~of claim 28 wherein for~~
coupling an archwire with a tooth, comprising:

a [[said]] bracket body configured to be mounted to the tooth, said bracket body comprising a non-metallic material, said bracket body includes a first side and a second side comprising a bonding base configured for bonding to the tooth~~[[,]]~~;

a metallic insert mounted in said bracket body, said insert including an archwire slot,
~~[[and]]~~ said guides ~~on said insert project~~ projecting outwardly from said insert on said second side of said bracket body; and

a metallic ligating member coupled with said insert, said ligating member movable relative to said insert between an open position in which the archwire is insertable into said archwire slot and a closed position in which the archwire is retained in said archwire slot.

45-60. (Cancelled)

61. (New) The self-ligating orthodontic bracket of claim 36 wherein said non-metallic material is composed of a polymer, a filled polymer composite, or a ceramic.

62. (New) The self-ligating orthodontic bracket of claim 36 wherein said non-metallic material is composed of sapphire, polycrystalline aluminum oxide, toughened zirconia, or yttrium-stabilized zirconia.

63. (New) The self-ligating orthodontic bracket of claim 36 wherein said non-metallic material is composed of polycarbonate, an acrylic-based thermoplastic resin, or an acrylic thermoset resin.

64. (New) The self-ligating orthodontic bracket of claim 36 wherein said insert includes a plurality of walls embedded in said non-metallic material of said bracket body, at least one of said walls of said insert configured to provide increased pull-out resistance of said insert from said bracket body in a direction generally perpendicular to the tooth.

65. (New) The self-ligating orthodontic bracket of claim 36 further comprising:

a metallic engagement member capable of constraining movement of said ligating member relative to said bracket body when said ligating member is in the closed position.

66. (New) The self-ligating orthodontic bracket of claim 36 further comprising:

a metallic spring arm coupled with said bracket body, said spring arm including a detent configured to engage said ligating member in at least said closed position for constraining movement of said ligating member relative to said bracket body.

67. (New) The self-ligating orthodontic bracket of claim 38 wherein said non-metallic material is composed of a polymer, a filled polymer composite, or a ceramic.

68. (New) The self-ligating orthodontic bracket of claim 38 wherein said non-metallic material is composed of sapphire, polycrystalline aluminum oxide, toughened zirconia, or yttrium-stabilized zirconia.

69. (New) The self-ligating orthodontic bracket of claim 38 wherein said non-metallic material is composed of polycarbonate, an acrylic-based thermoplastic resin, or an acrylic thermoset resin.

70. (New) The self-ligating orthodontic bracket of claim 38 wherein said insert includes a plurality of walls embedded in said non-metallic material of said bracket body, at least one of said walls of said insert configured to provide increased pull-out resistance of said insert from said bracket body in a direction generally perpendicular to the tooth.

71. (New) The self-ligating orthodontic bracket of claim 38 further comprising:

a metallic engagement member capable of constraining movement of said ligating member relative to said bracket body when said ligating member is in the closed position.

72. (New) The self-ligating orthodontic bracket of claim 38 further comprising:

a metallic spring arm coupled with said bracket body, said spring arm including a detent configured to engage said ligating member in at least said closed position for constraining movement of said ligating member relative to said bracket body.

73. (New) The self-ligating orthodontic bracket of claim 44 wherein said non-metallic material is composed of a polymer, a filled polymer composite, or a ceramic.

74. (New) The self-ligating orthodontic bracket of claim 44 wherein said non-metallic material is composed of sapphire, polycrystalline aluminum oxide, toughened zirconia, or yttrium-stabilized zirconia.

75. (New) The self-ligating orthodontic bracket of claim 44 wherein said non-metallic material is composed of polycarbonate, an acrylic-based thermoplastic resin, or an acrylic thermoset resin.

76. (New) The self-ligating orthodontic bracket of claim 44 wherein said insert includes a plurality of walls embedded in said non-metallic material of said bracket body, at least one of said walls of said insert configured to provide increased pull-out resistance of said insert from said bracket body in a direction generally perpendicular to the tooth.

77. (New) The self-ligating orthodontic bracket of claim 44 further comprising:

a metallic engagement member capable of constraining movement of said ligating member relative to said bracket body when said ligating member is in the closed position.

78. (New) The self-ligating orthodontic bracket of claim 44 further comprising:

a metallic spring arm coupled with said bracket body, said spring arm including a detent configured to engage said ligating member in at least said closed position for constraining movement of said ligating member relative to said bracket body.

79. (New) The self-ligating orthodontic bracket of claim 28 wherein said non-metallic material is composed of zirconia.

80. (New) The self-ligating orthodontic bracket of claim 36 wherein said non-metallic material is composed of zirconia.

81. (New) The self-ligating orthodontic bracket of claim 38 wherein said non-metallic material is composed of zirconia.

82. (New) The self-ligating orthodontic bracket of claim 44 wherein said non-metallic material is composed of zirconia.